JP2008-260660

FIG. 1

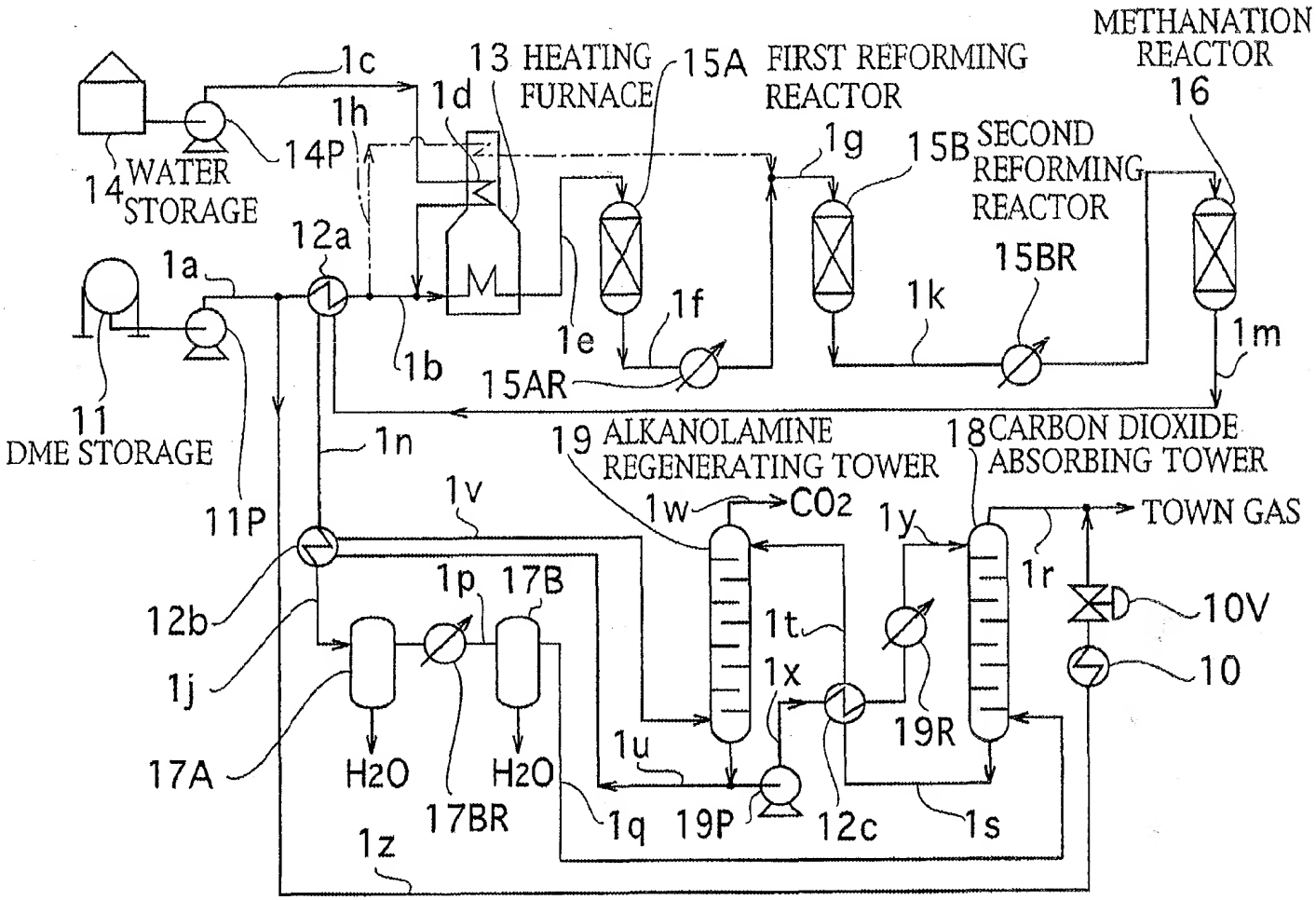


FIG. 2

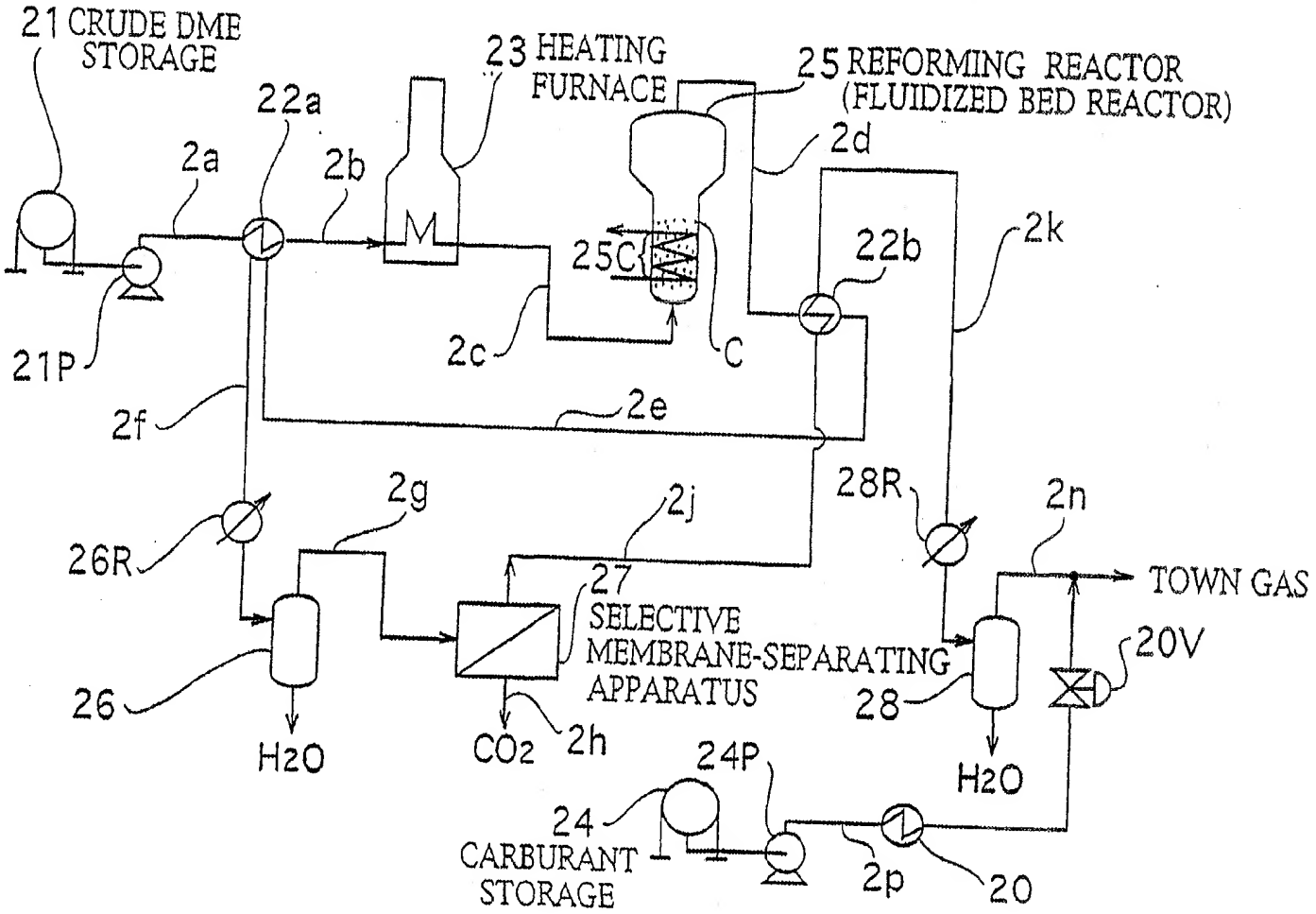
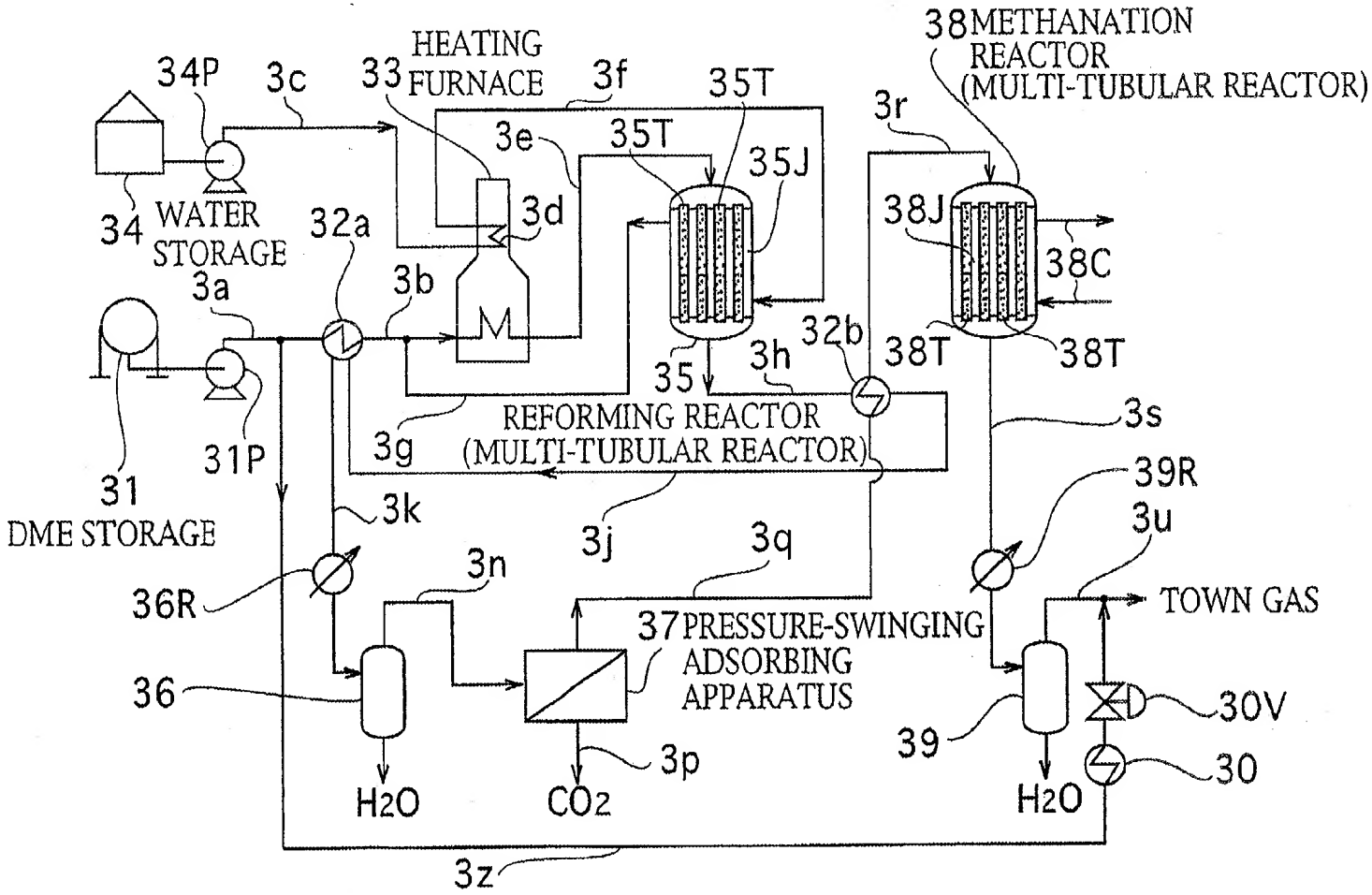

21 CRUDE DME STORAGE
23 HEATING FURNACE
25 REFORMING REACTOR (FLUIDIZED BED REACTOR)
22a
2a
2b
2d
2k
22b
25C
C
21P
2c
2f
2e
2g
2j
28R
2n
26R
27
SELECTIVE MEMBRANE-SEPARATING APPARATUS
TOWN GAS
20V
26
H2O
CO2
2h
28
H2O
24P
24
CARBURANT STORAGE
2p
20

FIG. 3


34P
3c
33
HEATING FURNACE
3f
35T
38
METHANATION REACTOR (MULTI-TUBULAR REACTOR)
3r
3e
35T
35J
34
WATER STORAGE
32a
3d
38J
38C
3a
3b
32b
38T
38T
35
3h
REFORMING REACTOR (MULTI-TUBULAR REACTOR)
3s
31P
3g
31
DME STORAGE
3k
39R
3u
3j
3q
3n
TOWN GAS
36R
37 PRESSURE-SWINGING ADSORBING APPARATUS
36
30V
39
3p
30
H2O
CO2
H2O
3z